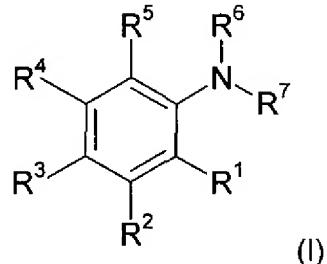


Amendments to the Claims:

Please amend the claims as follows:

What is claimed is:

1. (Currently Amended) A compound of formula (I):



including salts, solvates, and physiologically functional derivatives thereof, wherein

R¹ is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, C₁-C₆ alkoxy, haloalkoxy, -OC(O)R⁸, or aryl;

R² is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, C₁-C₆ alkoxy, haloalkoxy, -OC(O)R⁸, or aryl;

R³ is cyano, nitro, halogen, haloalkyl, heterocyclyl, hydroxy, C₁-C₆ alkoxy, haloalkoxy, -OC(O)R⁸, -C(O)₂R⁸, -CONHR⁸, -C(O)R⁸, -S(O)_nR⁸, -SO₂N(R⁸)₂, -NHC(O)R⁸, or -NSO₂R⁸;

R⁴ is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, C₁-C₆ alkoxy, haloalkoxy, -OC(O)R⁸, or aryl;

R⁵ is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, C₁-C₆ alkoxy, haloalkoxy, -OC(O)R⁸, or aryl;

where at least one of R¹, R², R⁴, and R⁵ is not H;

each of R⁶ and R⁷ independently are selected from H or -(R^a)_x-R⁹;

R^a is a C₁-C₈ alkylene chain, where x is 0 or 1;

each R⁸ independently is H, alkyl, alkenyl, alkynyl, cycloalkyl, heterocyclyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

R⁹ is alkyl, haloalkyl, hydroxyalkyl, alkenyl, alkynyl, C₁-C₆ alkoxy, alkylthio, haloalkoxy, cycloalkyl, formyl, azido, or -NR¹⁰R¹¹;

R¹⁰ and R¹¹ each independently are H, alkyl, -C(O)H, -C(O)R¹², -C(O)OR¹², or -SO₂R¹²; and

R¹² is alkyl.

2. (Original) The compound of claim 1 wherein R¹, R⁵, or both are H.
3. (Original) The compound of claim 1 wherein R², R⁴, or both are H.
4. (Original) The compound of claim 1 wherein alkyl is C₁-C₆ alkyl.
5. (Currently Amended) The compound of claim 4 wherein alkyl is C₁-C₃ alkyl.
6. (Cancelled)
7. (Currently Amended) The compound of claim [[6]] 1 wherein C₁-C₆ alkoxy is C₁-C₂ alkoxy.
8. (Original) The compound of claim 1 wherein haloalkyl is C₁-C₆ haloalkyl.
9. (Original) The compound of claim 8 wherein haloalkyl is trifluoromethyl or trifluoroethyl.
10. (Original) The compound of claim 1 wherein alkenyl is C₂-C₆ alkenyl.
11. (Original) The compound of claim 10 wherein alkenyl is isopropenyl, isobut enyl, or allyl.
12. (Original) The compound of claim 1 wherein alkynyl is C₂-C₆ alkynyl.
13. (Original) The compound of claim 12 wherein alkynyl is propynyl.
14. (Original) The compound of claim 1 wherein cycloalkyl is C₃-C₆ cycloalkyl.
15. (Original) The compound of claim 14 wherein cycloalkyl is cyclopropyl, cyclopentyl, or cyclohexyl.

16. (Original) The compound of claim 1 wherein R¹ or R⁵ is nitro, alkyl, haloalkyl, or halogen.
17. (Original) The compound of claim 1 wherein R² or R⁴ is nitro, cyano, alkyl, haloalkyl, halogen, or hydroxy.
18. (Original) The compound of claim 1 wherein R³ is cyano, nitro, or halogen.
19. (Original) The compound of claim 18 wherein one or more of R¹, R², R⁴, or R⁵ is haloalkyl.
20. (Original) The compound of claim 19 wherein R² or R⁴ is haloalkyl.
21. (Original) The compound of claim 18 wherein one or more of R¹, R², R⁴, or R⁵ is halogen.
22. (Original) The compound of claim 21 wherein R² or R⁴ is halogen.
23. (Original) The compound of claim 22 wherein halogen is chloro.
24. (Original) The compound of claim 18 wherein when R³ is cyano, one or more of R¹, R², R⁴, or R⁵ is nitro.
25. (Original) The compound of claim 18 wherein when R³ is nitro, one or more of R¹, R², R⁴, or R⁵ is cyano.
26. (Original) The compound of claim 18 wherein R³ is cyano and one of R² or R⁴ is cyano.
27. (Original) The compound of claim 1 wherein R^a is a substituted alkylene, substituted with one or more of alkyl, alkenyl, or hydroxyl.
28. (Original) The compound of claim 27 wherein R^a is methylene.

29. (Original) A compound selected from:

4-[(Cyclopropylmethyl)(propyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(cyclopropylmethyl)(propyl)amino]-2-nitrobenzonitrile
4-(diallylamino)-2-(trifluoromethyl)benzonitrile
5-[allyl(cyclopentyl)amino]-2-nitrobenzonitrile
4-[butyl(propyl)amino]-2-nitrobenzonitrile
4-[ethyl(2-methyl-2-propenyl)amino]-2-nitrobenzonitrile
4-[butyl(ethyl)amino]-2-(trifluoromethyl)benzonitrile
4-(dipropylamino)-2-(trifluoromethyl)benzonitrile
N-butyl-N-ethyl-3-methyl-4-nitroaniline
5-(diallylamino)-2-nitrobenzonitrile
5-[(cyclopropylmethyl)(propyl)amino]-2-nitrobenzonitrile
4-(diallylamino)-2-nitrobenzonitrile
3-methyl-4-nitro-N,N-dipropylaniline
4-[sec-butyl(propyl)amino]-2-nitrobenzonitrile
5-[butyl(ethyl)amino]-2-nitrobenzonitrile
2-chloro-4-[(cyclopropylmethyl)(propyl)amino]benzonitrile
5-[butyl(propyl)amino]-2-nitrobenzonitrile
5-[(2-methoxyethyl)(methyl)amino]-2-nitrobenzonitrile
2-chloro-4-(diallylamino)benzonitrile
4-[(2-methoxyethyl)(propyl)amino]-2-nitrobenzonitrile
4-[allyl(cyclopentyl)amino]-2-nitrobenzonitrile
4-[ethyl(2-methyl-2-propenyl)amino]-2-(trifluoromethyl)benzonitrile
2-chloro-4-[[2-(dimethylamino)ethyl](methyl)amino]benzonitrile
N-(2-methoxyethyl)-N,2-dimethyl-4-nitroaniline
N-allyl-N-cyclopentyl-4-nitro-3-(trifluoromethyl)aniline
5-(dipropylamino)-2-nitrophenol
2-chloro-4-(dipropylamino)benzonitrile
5-[ethyl(2-methyl-2-propenyl)amino]-2-nitrobenzonitrile
N,N-diallyl-4-nitro-3-(trifluoromethyl)aniline
N,N-diallyl-2-methyl-4-nitroaniline
5-[(cyclopropylmethyl)(propyl)amino]-2-nitrophenol

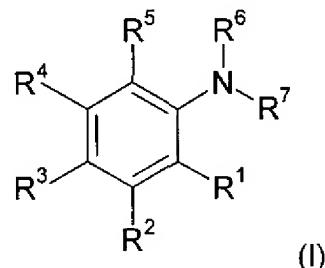
N-(2-methoxyethyl)-3-methyl-4-nitro-N-propylaniline
4-[butyl(propyl)amino]-2-chlorobenzonitrile
N-butyl-2-chloro-N-methyl-4-nitroaniline
4-(dipropylamino)-2-nitrobenzonitrile
2-chloro-4-[(2-methoxyethyl)(propyl)amino]benzonitrile
N,N-diallyl-3-methyl-4-nitroaniline
N-(sec-butyl)-4-nitro-N-propyl-3-(trifluoromethyl)aniline
4-(dipentylamino)-2-nitrobenzonitrile
N-(cyclopropylmethyl)-3-methyl-4-nitro-N-propylaniline
5-(dipropylamino)-2-nitrobenzonitrile
N,N-dibutyl-4-nitro-3-(trifluoromethyl)aniline
N1-(2-chloro-4-nitrophenyl)-N1,N2,N2-trimethyl-1,2-ethanediamine
5-[sec-butyl(propyl)amino]-2-nitrobenzonitrile
N-ethyl-N-(2-methyl-2-propenyl)-4-nitro-3-(trifluoromethyl)aniline
N-(2-methoxyethyl)-4-nitro-N-propyl-3-(trifluoromethyl)aniline
4-[butyl(ethyl)amino]-2-chlorobenzonitrile
5-(dibutylamino)-2-nitrobenzonitrile
4-[butyl(ethyl)amino]-2-nitrobenzonitrile
4-[(2-methoxyethyl)(propyl)amino]-2-(trifluoromethyl)benzonitrile
5-[(2-methoxyethyl)(propyl)amino]-2-nitrobenzonitrile
4-[allyl(cyclopenty)amino]-2-(trifluoromethyl)benzonitrile
4-[butyl(propyl)amino]-2-(trifluoromethyl)benzonitrile
N,N-dibutyl-3-methyl-4-nitroaniline
4-[methyl(octyl)amino]-2-nitrobenzonitrile
4-(dibutylamino)-2-(trifluoromethyl)benzonitrile
N-(cyclopropylmethyl)-4-nitro-N-propyl-2-(trifluoromethyl)aniline
N-allyl-N-cyclohexyl-4-nitro-3-(trifluoromethyl)aniline
4-[(2-methoxyethyl)(methyl)amino]-3-(trifluoromethyl)benzonitrile
4-(diallylamino)-3-nitrobenzonitrile
N-1-(2-chloro-4-nitrophenyl)-N1,N3,N3-trimethyl-1,3-propanediamine
N,N-bis(2-methoxyethyl)-4-nitro-3-(trifluoromethyl)aniline
4-[sec-butyl(propyl)amino]-2-(trifluoromethyl)benzonitrile
2-chloro-4-[ethyl(2-methyl-2-propenyl)amino]benzonitrile

N-cyclohexyl-N-ethyl-4-nitro-3-(trifluoromethyl)aniline
2-chloro-4-(dibutylamino)benzonitrile
4-[cyclohexyl(ethyl)amino]-2-nitrobenzonitrile
4-[bis(2-ethoxyethyl)amino]-3-chlorobenzonitrile
2-chloro-N-(2-methoxyethyl)-N-methyl-4-nitroaniline
N-butyl-N-ethyl-4-nitro-3-(trifluoromethyl)aniline
N-(sec-butyl)-3-methyl-4-nitro-N-propylaniline
N-(2-methoxyethyl)-N-methyl-4-nitro-2-(trifluoromethyl)aniline
4-[bis[3-(dimethylamino)propyl]amino]-2-(trifluoromethyl)benzonitrile
N-(cyclopropylmethyl)-4-nitro-N-propyl-3-(trifluoromethyl)aniline
4-[(methyl)(octyl)amino]-2-(trifluoromethyl)benzonitrile
4-(propylamino)-2-(trifluoromethyl)benzonitrile
4-nitro-N-propyl-3-(trifluoromethyl)aniline
3-{{4-nitro-3-(trifluoromethyl)phenyl}amino}propan-1-ol
4-[(3-hydroxypropyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2-hydroxy-1-(hydroxymethyl)ethyl]amino]-2-(trifluoromethyl)benzonitrile
4-(dimethylamino)-2-(trifluoromethyl)benzonitrile
4-(diethylamino)-2-(trifluoromethyl)benzonitrile
4-[methyl(2-methylpropyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(cyclopropylmethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(cyclopropylmethyl)(3-hydroxypropyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(cyclopropylmethyl)(2-hydroxyethyl)amino]-2-(trifluoromethyl)benzonitrile
N-(cyclopropylmethyl)-4-nitro-3-(trifluoromethyl)aniline
3-((cyclopropylmethyl)[4-nitro-3-(trifluoromethyl)phenyl]amino)-1-propanol
2-((cyclopropylmethyl)[4-nitro-3-(trifluoromethyl)phenyl]amino)ethanol
4-[(cyclopropylmethyl)amino]-3-(trifluoromethyl)benzonitrile
1-[4-[(cyclopropylmethyl)(propyl)amino]-2-(trifluoromethyl)phenyl]ethanone
4-[(1-cyclopropylethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[allyl(1-cyclopropylethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2-dimethylpropyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2-dimethylpropyl)(3-hydroxypropyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2-dimethylpropyl)(2-propen-1-yl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,3-dihydroxypropyl)(2,2-dimethylpropyl)amino]-2-(trifluoromethyl)benzonitrile

4-[(2,2-dimethylpropyl)(2-oxoethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2-dimethylpropyl)(2-hydroxyethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2-dimethylpropyl)(propyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(1,1-dimethylethyl)amino]-2-(trifluoromethyl)benzonitrile
N-(1,1-dimethylethyl)-4-nitro-3-(trifluoromethyl)aniline
N-(cyclopropylmethyl)-N-(1,1-dimethylethyl)-4-nitro-3-(trifluoromethyl)aniline
4-[(1,1-dimethylethyl)(2-propen-1-yl)amino]-2-(trifluoromethyl)benzonitrile
4-[(1,1-dimethylethyl)(2-oxoethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(1,1-dimethylethyl)(propyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(3-hydroxypropyl)[(1S)-1-methylpropyl]amino]-2-(trifluoromethyl)benzonitrile
2-(trifluoromethyl)-4-[(3,3,3-trifluoropropyl)amino]benzonitrile
4-[bis(2-fluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-nitro-N-(2,2,2-trifluoroethyl)-3-(trifluoromethyl)aniline
4-[(3-hydroxypropyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(3-hydroxypropyl)(2,2,2-trifluoroethyl)amino]-3-(trifluoromethyl)benzonitrile
4-bromo-N,N-bis(2,2,2-trifluoroethyl)-3-(trifluoromethyl)aniline
4-[bis(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2-difluoroethyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
bis(2,2,2-trifluoroethyl)[2-(trifluoromethyl)-4-biphenyl]amine
4-[(2-hydroxyethyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[[2-(methyloxy)ethyl](2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[[2-(ethyloxy)ethyl](2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-((2,2,2-trifluoroethyl){2-[(2,2,2-trifluoroethyl)oxy]ethyl}amino)-2-(trifluoromethyl)benzonitrile
4-[methyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[ethyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[propyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[butyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2-methylprop-2-enyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[isobutyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(3-methylbut-2-enyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[isopentyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[prop-2-ynyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile

4-[(2-fluoroethyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[[2-(methylthio)ethyl](2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2-azidoethyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
N-{2-[[4-cyano-3-(trifluoromethyl)phenyl](2,2,2-trifluoroethyl)amino]ethyl} acetamide
methyl 2-[[4-cyano-3-(trifluoromethyl)phenyl](2,2,2-trifluoroethyl)amino]ethylcarbamate
tert-butyl 2-[[4-cyano-3-(trifluoromethyl)phenyl](2,2,2-trifluoroethyl)amino]ethylcarbamate
N-{2-[[4-cyano-3-(trifluoromethyl)phenyl](2,2,2-trifluoroethyl)amino]ethyl}
methanesulfonamide; and
4-(dipropylamino)phthalonitrile.

30. (Currently Amended) A compound of formula (I):



including salts, solvates, and physiologically functional derivatives thereof, wherein
R¹ is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, C₁-C₆ alkoxy, haloalkoxy, -OC(O)R⁸, or aryl;
R² is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, C₁-C₆ alkoxy, haloalkoxy, -OC(O)R⁸, or aryl;
R³ is cyano, nitro, halogen, haloalkyl, heterocycll, hydroxy, C₁-C₆ alkoxy, haloalkoxy, -OC(O)R⁸, -C(O)₂R⁸, -CONHR⁸, -C(O)R⁸, -S(O)_nR⁸, -SO₂N(R⁸)₂, -NHC(O)R⁸, or -NHSO₂R⁸;
R⁴ is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, C₁-C₆ alkoxy, haloalkoxy, -OC(O)R⁸, or aryl;
R⁵ is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, C₁-C₆ alkoxy, haloalkoxy, -OC(O)R⁸, or aryl;
each of R⁶ and R⁷ independently are selected from H or -(R^a)_x-R⁹;
R^a is a C₁-C₈ alkylene chain, where x is 0 or 1;
each R⁸ independently is H, alkyl, alkenyl, alkynyl, cycloalkyl, heterocycll, aryl, aralkyl, heteroaryl, or heteroaralkyl;

R⁹ is alkyl, haloalkyl, hydroxyalkyl, alkenyl, alkynyl, C₁-C₆ alkoxy, alkylthio, haloalkoxy, cycloalkyl, formyl, azido, or -NR¹⁰R¹¹;
R¹⁰ and R¹¹ each independently are H, alkyl, -C(O)H, -C(O)R¹², -C(O)OR¹², or -SO₂R¹²; and
R¹² is alkyl.

31. (Original) The compound of claim 30 wherein each of R¹, R², R⁴, and R⁵ are H.

32. (Original) The compound of claim 30 wherein R³ is cyano or nitro.

33. (Original) The compound of claim 30 wherein the compound is:

N,N-diallyl-4-nitroaniline

N-(cyclopropylmethyl)-4-nitro-N-propylaniline

4-(dipropylamino)benzonitrile; or

4-nitro-N,N-dipropylaniline.

34. (Cancelled)

35. (Previously Presented) A pharmaceutical composition comprising a compound according to claim 1, and a pharmaceutically acceptable carrier.

36-41. (Cancelled)

42. (Previously Presented) A method for the treatment or prophylaxis of osteoporosis, muscle wasting, frailty, cardiovascular disease, breast cancer, uterine cancer, prostatic hyperplasia, prostate cancer, dyslipidemia, menopausal vasomotor conditions, urinary incontinence, atherosclerosis, libido enhancement, depression, uterine fibroid disease, aortic smooth muscle cell proliferation, endometriosis, or ADAM comprising the administration of a compound according to claim 1.

43. (Previously Presented) A pharmaceutical composition comprising a compound according to claim 29, and a pharmaceutically acceptable carrier.

44. (Previously Presented) A pharmaceutical composition comprising a compound according to claim 30, and a pharmaceutically acceptable carrier.
45. (Previously Presented) A method for the treatment or prophylaxis of osteoporosis, muscle wasting, frailty, cardiovascular disease, breast cancer, uterine cancer, prostatic hyperplasia, prostate cancer, dyslipidemia, menopausal vasomotor conditions, urinary incontinence, atherosclerosis, libido enhancement, depression, uterine fibroid disease, aortic smooth muscle cell proliferation, endometriosis, or ADAM comprising the administration of a compound according to claim 29.
46. (Previously Presented) A method for the treatment or prophylaxis of osteoporosis, muscle wasting, frailty, cardiovascular disease, breast cancer, uterine cancer, prostatic hyperplasia, prostate cancer, dyslipidemia, menopausal vasomotor conditions, urinary incontinence, atherosclerosis, libido enhancement, depression, uterine fibroid disease, aortic smooth muscle cell proliferation, endometriosis, or ADAM comprising the administration of a compound according to claim 30.